

Figure 1. PCR Incorporation of Deoxyuracil-containing Oligonucleotide Primer

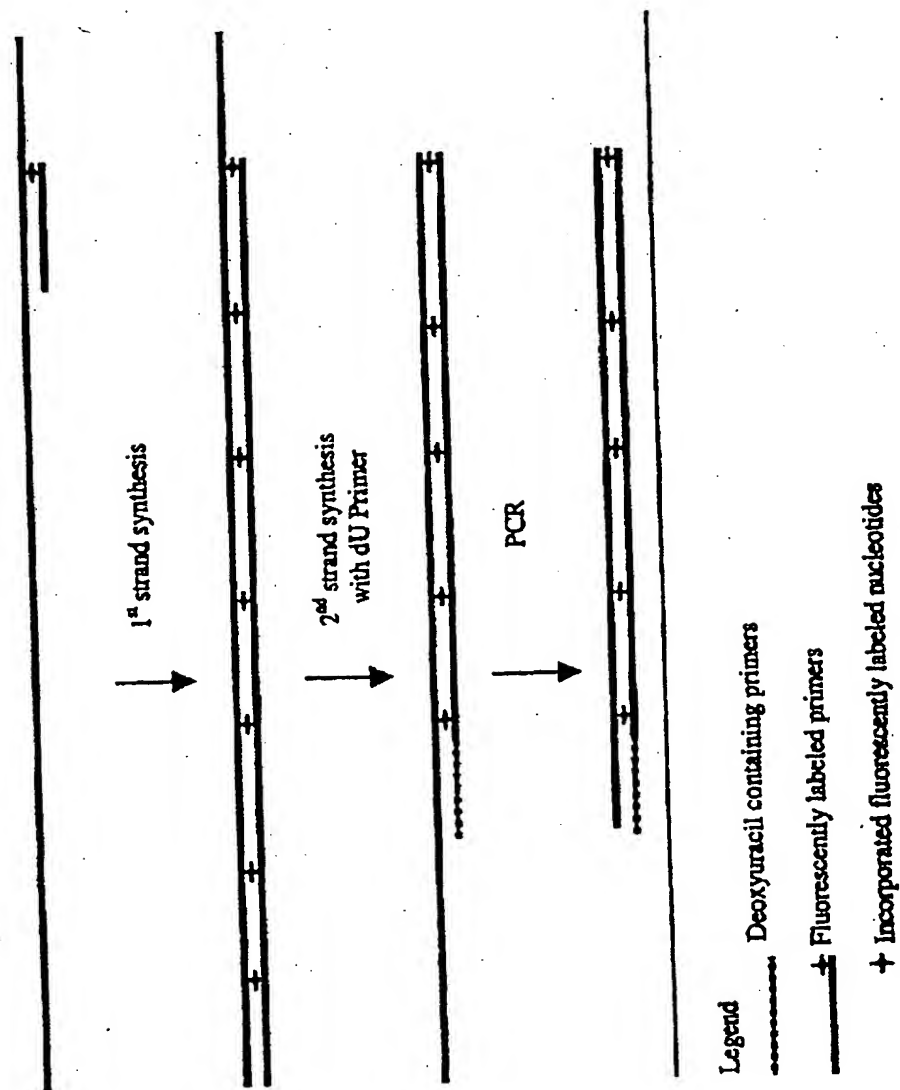


Figure 2. UNG Generation of Partially Single-stranded Target and Subsequent Hybridization to Capture Probe

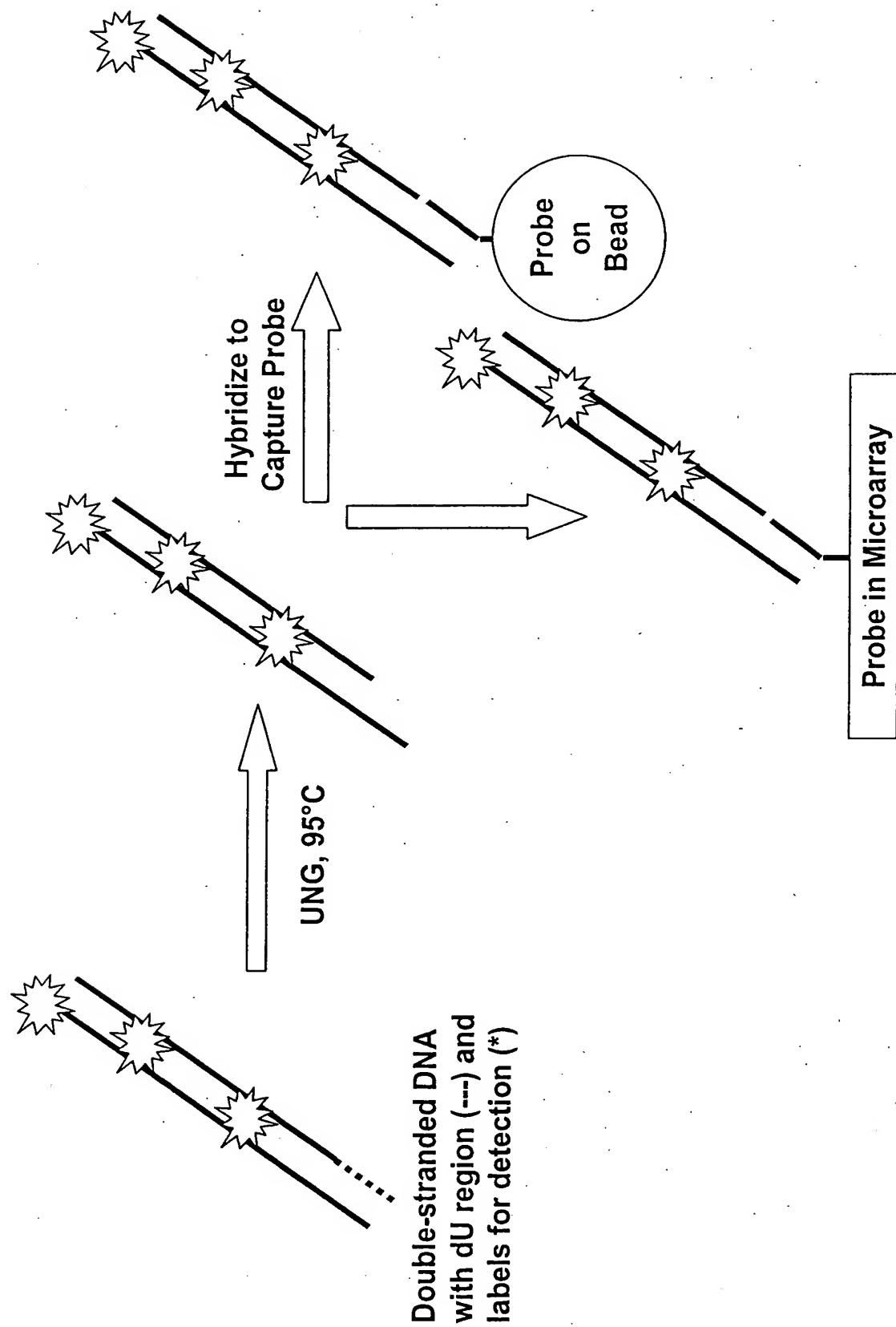


Figure 3. Schematic of UNG Sample Preparation for the Flow-thru Chip™

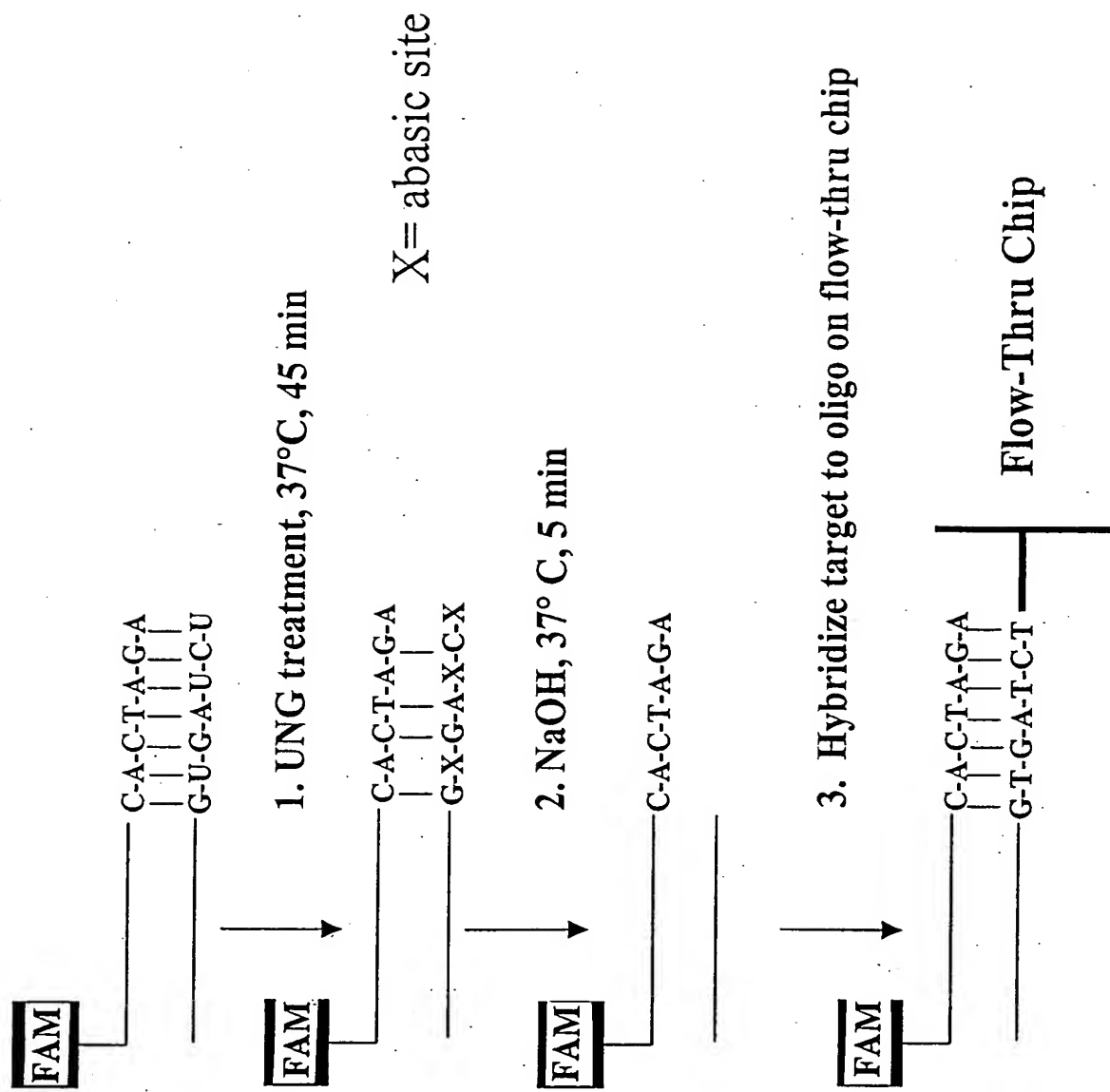


Figure 4. Method of Preparing a Partially Double-Stranded Target Nucleic Acid Containing a Single-Stranded Index Region and its Use with a Universal Index Chip

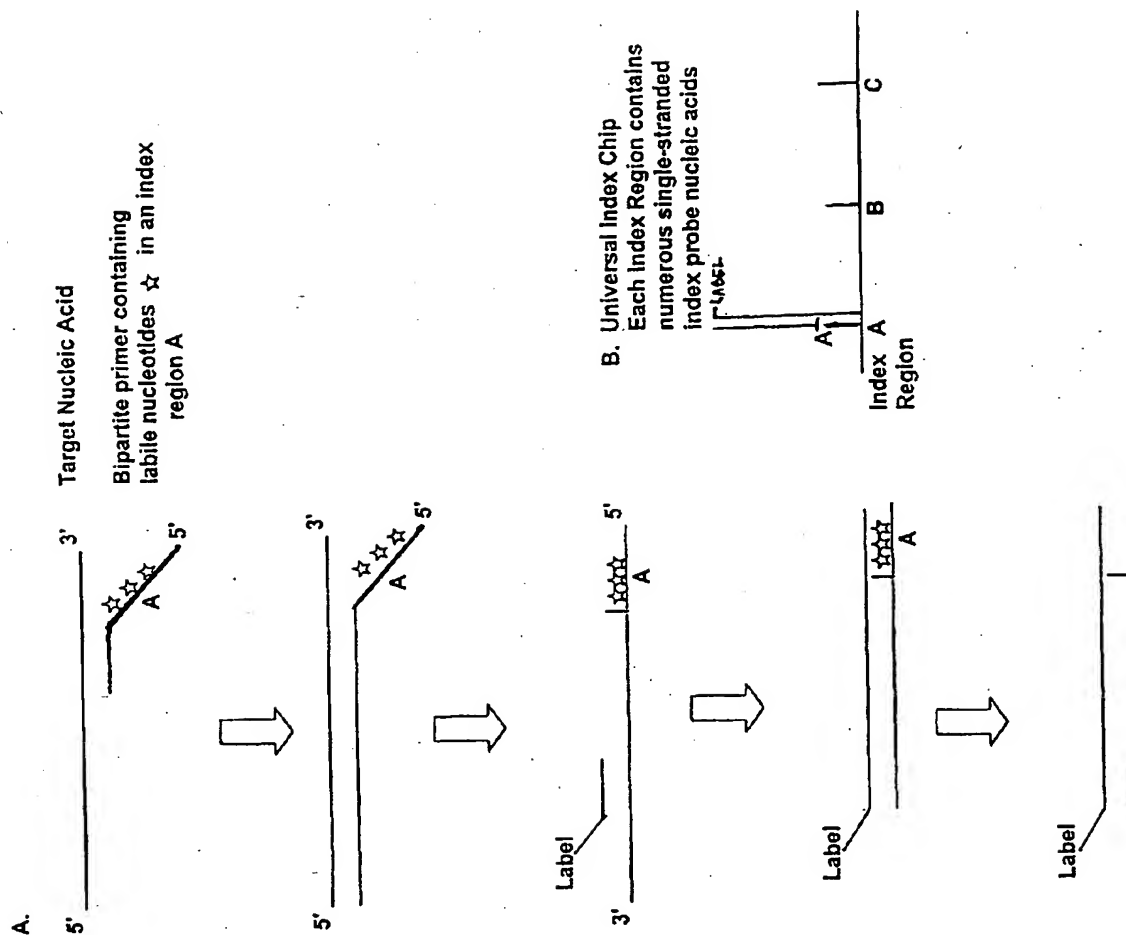


Figure 5. Representative Primer and Probe Sequences

SEQ ID	NAME	SEQUENCE 5' -> 3'	MODIFICATION
1	BF1	UCCUCCUGAGCGCAAGUACUC	
2	BR1	1CCTGCTTGCTGATCCACATCT	1 = FAM
3	BC1	6TCCTCCTGAGCGCAAGTACTC	6 = AMINO
4	GF1	UGGUCGUAUUGGGGCCU	
5	GR1	1ACCCTGTGCTGTAGCCAAATT	1 = FAM
6	GR2	1CATATTGGAACATGTAAACCATGTAGTTG	1 = FAM
7	GR3	1TTGATTTTGGAGGGATCTCGC	1 = FAM
8	GR4	1GCTAAGCAGTTGGTGGTGCAG	1 = FAM
9	GC1	6TGGTCGTATTGGGCGCCT	6 = AMINO
10	NC1	6CCTCTGACTTCAACAGCGACACT	6 = AMINO

Figure 6. Gel Shift of single RT-PCR product

Lane/Tube Number	2/1	4/2	6/3	8/4	11/5
------------------	-----	-----	-----	-----	------

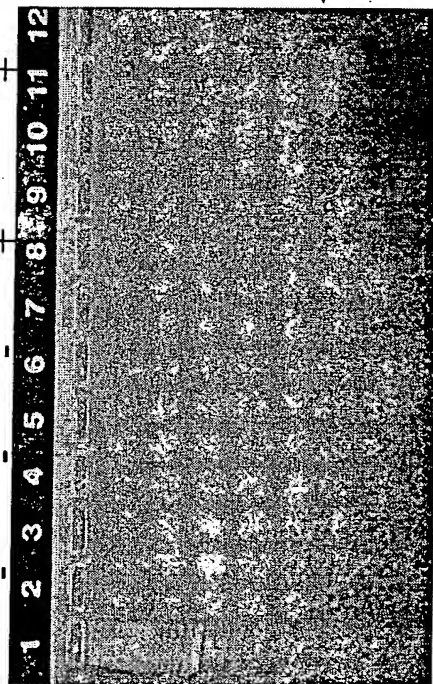
B-actin p33	+	+	+	+	+
-------------	---	---	---	---	---

6 µg of b-actin alone	-	+	+	+	+
-----------------------	---	---	---	---	---

UNG

NAOH

A.



B. 2 4 6 8 11

← b-actin + p33 b-actin

← p33 b-actin

BEST AVAILABLE COPY

Figure 7. Sizing Gel for Multiplex RT-PCR products



BEST AVAILABLE COPY

Figure 8. Changes in Gene Expression as measured by the Flow-thru Chip™ and Multiplex Partially Double-Stranded DNA in comparison to TaqMan®

